

IN THE CLAIMS:

Please amend original claims 1-3 and 5 as shown in the complete list of claims that is presented below.

1. (currently amended) A protective circuit provided for a hard disk drive, ~~which is drive and~~ conductively jointed joined with an interface situated between a hard disk drive and a computer, ~~the protective circuit~~ comprising:

a rechargeable charge reservoir;

a charge controller conductively connected to a power terminal ~~HD\_PWR~~ (HD-PWR) of the hard disk drive for charging the charge reservoir; and

a selectable switch conductively connected with the charge reservoir for automatically switching power supply to the hard disk drive; wherein

the charge reservoir is switched automatically to provide power to the hard disk drive for parking the magnetic head thereof safely in case the hard disk drive is extracted improperly.

2. (currently amended) The protective circuit according to claim 1, wherein the rechargeable charge reservoir is a capacitor with a large capacitance and the charge controller comprises a diode and a current limitation resistor ~~jointed~~ joined in series.

3. (currently amended) The protective circuit according to claim 1, wherein the rechargeable charge reservoir is a secondary ~~Lithium~~ lithium battery and the charge controller is a charging circuit for the secondary ~~Lithium~~ lithium battery.

4. (original) The protective circuit according to claim 1, wherein the rechargeable charge reservoir is a secondary Ni-Cd battery and the charge controller is a charging circuit for the Ni-Cd battery.

5. (currently amended) The protective circuit according to claim 1, wherein the selectable switch comprises two Schottky diodes ~~D1, D2~~ (D1, D2) .

6. (original) The protective circuit according to claim 1, wherein the protective circuit is combined with the hard disk drive to form an extractable unitary hard disk module relative to the interface.

7. (original) The protective circuit according to claim 6, wherein the extractable hard disk module is a hard disk mobile rack in a desktop computer.

8. (original) The protective circuit according to claim 6, wherein the hard disk module is applicable in a notebook computer.